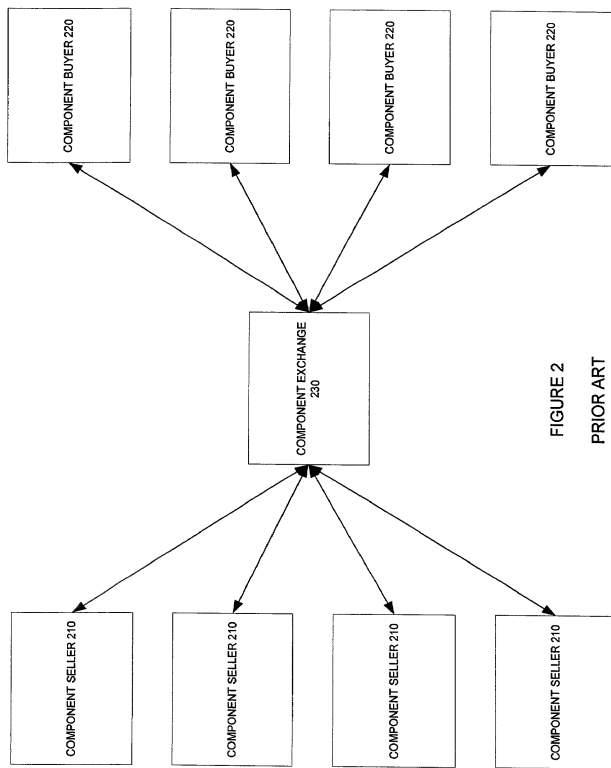


FIGURE 1

PRIOR ART



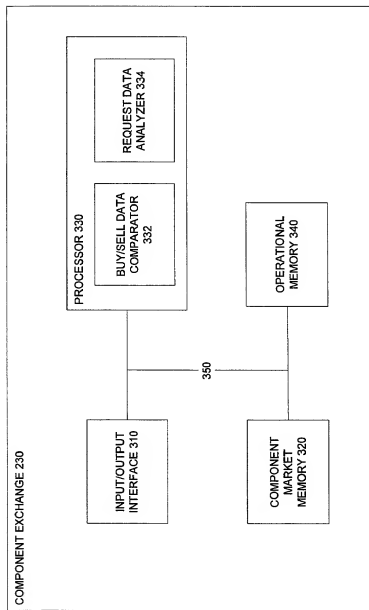


FIGURE 3

PRIOR ART

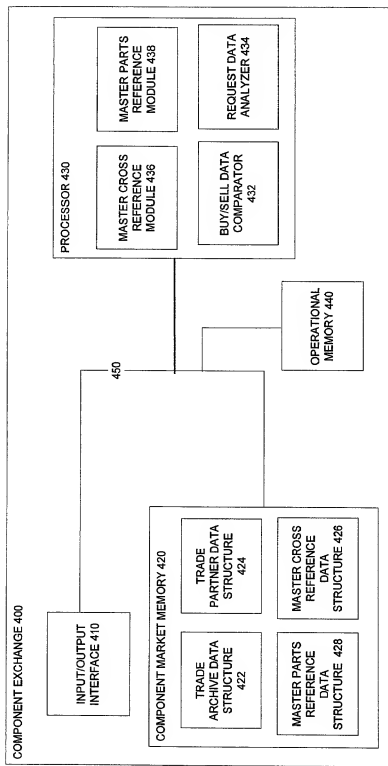


FIGURE 4

CB	IPN	MPN
A	A1	M1, M2, M3
B	B2	M2, M4, M5
C	C3	M4, M6, M7

$$M2 = M1 = M3$$

$$M2 = M4 = M5$$

$$+ \quad \underline{M4 = M6 = M7}$$

Therefore,

$$M1 = M3 = M2 = M5 = M4 = M6 = M7$$

FIGURE 5

CB	IPN	MPN
X	X1	M11, M12, M13
Y	Y2	M12, M14, M15
Z	Z3	M14, M16, M17

$$M12 = M11 = M13 \quad \text{Relationship X}$$

$$M12 = M14 = M15 \quad \text{Relationship Y}$$

$$+ \quad \underline{M14 = M16 = M17} \quad \text{Relationship Z}$$

Therefore,

$$M11 = M13 = M12 = M15 = M14 = M16 = M17$$

But.....

X Disapproves M12

Thus,

$$M12 \neq M11 = M13 = M14 = M15 = M16 = M17$$

FIGURE 6

CB CODE 705	LINKING CODE 710	CB PN 715	MANUFACTURER 720	MPN 725	CB A	CB B	CB C	CB D	IECs 735
A	A1	123456789	BOB	BR456789	A	A	I	I	BR456789
A	A1	123456789	COC	CR234567	A	I	I	I	CR234567
A	A1	123456789	DOD	LB123456	A	I	I	I	LB123456
A	A1	123456789	ROR	MB987654	A	I	I	I	MB987654
B	A2	654321	YOB	MT4C4M4A1D	I	A	I	I	MT4C4M4A1D
B	A2	654321	TRE	MSM5117400A	I	A	A	I	MSM5117400A
B	A2	654321	BOB	BR456789	I	A	I	I	MSM5117400DJ6
B	A2	654321	ERT	MSM5117400D	I	I	A	I	CR4234567
C	A3	4567	TRE	MSM5117400A	I	I	A	A	TMS4117400
C	A3	4567	COC	CR4234567	I	I	I	A	HM5117400AS
C	A3	4567	ERT	TMS4117400	I	I	I	A	TC511740060
D	A4	25-755555	QDQ	HM5117400AS	I	I	I	A	LB1573456
D	A4	25-755555	ERT	TMS4117400					
D	A4	25-755555	GFD	TC511740060					
D	A4	25-755555	DOD	LB1573456					

FIGURE 7

TRADING PARTNER PROVIDED INFORMATION				ILC CREATION FIELDS			MLC CREATION FIELDS							
CB CODE	IPN	MPR MPN	MPR MNAME	CB CODE	IPN	ILC	LINKS TO ILCs	MPRMPN	MPR MNAME	MLC360	MLC LINKED FLAG	MPN DUP COUNT	DES. ENG. % CALC.	UPN
810	815	820	825	830	835	840	845	850	855		865	870	875	880
ABC	123456789	BR456789	BOB			1	2	BR456789	BOB	1	Y	2	50	1.1
ABC	123456789	CR234567	COC	ABC	123456789	1	4	CR234567	COC	1	Y	2	50	1.1
ABC	123456789	LB123456	DOD			1	5	LB123456	DOD	1	Y	2	50	1.1
DEF	654321	MT4CAMA1D	YOB			2		MT4CAMA1D	YOB	2		1	25	1.1
DEF	654321	MSN5117400A	TRE	DEF	654321	2	4	MSN5117400A	TRE	2	Y	2	50	1.1
DEF	654321	BR456789	BOB			2				2				1.1
GHI	4567	MSV6117	TLE			3		MSV6117	TLE	3		1	100	2.1
GHI	4567	HM5117400AS	QDQ	GHI	4567	3		HM5117400AS	QDQ	3		1	100	2.1
JKL15	25-755555	CR234567	COC			4				4				1.1
JKL15	25-755555	MSN5117400A	TRE	JKL15	25-755555	4				4				1.1
JKL15	25-755555	TC511740060	GFD			4		TC511740060	GFD	4		1	25	1.1
XYZ	275-55	CVF125476	WER			5		CVF125476	WER	5		1	25	1.1
XYZ	275-55	VRB32454	DQJ	XYZ	275-55	5		VRB32454	DQJ	5		1	25	1.1
XYZ	275-55	LB123456	DOD			5				5				1.1

FIGURE 8

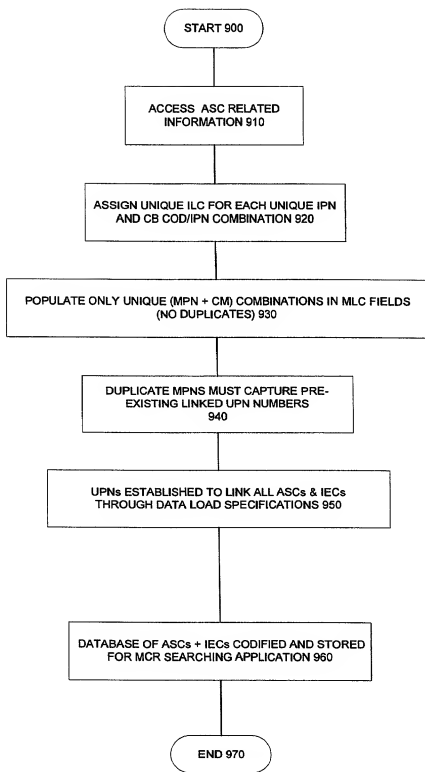


FIGURE 9

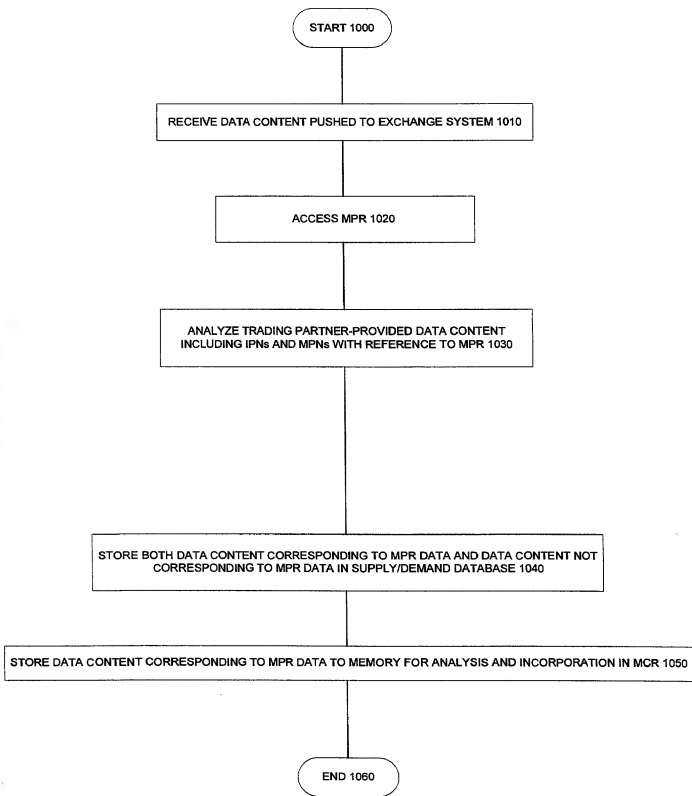


FIGURE 10